STUDIES

List of reports for submission after letter request from MDEQ

- Non-analytical Sampling Work Plan (Nov 2004, CH2M Hill)
  - Activities and Studies described in work plan
    - Installation of clay pads and co-located turf mats to collect sediments from floodplain during flood events
    - Riverbank erosion and sediment bed elevation study to gain better understanding of potential erosion or deposition at selected locations along Tittabawassee River
    - Geochronology Pilot Study (described below)
    - Dendrogeomorphic Pilot Study (described below)
    - High-flow event automatic sampling to provide data for use in evaluating gradients in water column suspended solids and contaminant concentrations across floodplain during flood conditions.
    - Continuing Monitoring Studies
      - Flow & Solids Monitoring
      - River level sensing
      - Measurement of floodplain deposition
- Tittabawassee River Sediment Dioxin/Furan Concentration Variability (March 2005, CH@M Hill)
  - Preliminary characterization of sediments and evaluation of the variability of dioxin/furan concentrations within those sediments
- Probing and Coring Study for Characterization of Sediment Type and Thickness of Unconsolidated Deposits, Tittabawassee River, (November 2004, Limno-Tech 2004)
  - Provide preliminary characterization of the dominant surficial sediment type.
  - Provide preliminary physical characterization of the sediment column in terms of thickness, grain size distribution, bulk density and total organic carbon.
- Ecological Risk Assessment Support Sampling (March 2005 – CH2M Hill)
  - Provide Michigan State University with data necessary to support its ecological sampling.
  - Provide preliminary evaluation of potential constituents of interest along the Tittabawassee River.
- Upper Saginaw River Sediment Scoping Study
  - Develop an understanding of the thickness of sediments in the stretch of river between the Sixth Street Turning Basin and the confluence with the Tittabawassee and Shiawassee Rivers (Sediment Study Area);
  - Collect representative sediment samples along the Sediment Study Area for possible future analysis; and

- Geochronology Pilot Study
  - Test feasibility and potential application of method in sediment age dating and better understand its potential use in assisting in establishing the age and net deposition rate of soil in floodplain
- Dendrogeomorphic Pilot Study
  - Test feasibility and potential application of method in support of vertical dating of floodplain soils and estimation of changes in sediment accumulation rates
- Preliminary Flow and Solids Monitoring 2003-2004
  - Improve the understanding of solids deposition and transport through the river system
  - Provide preliminary data supporting an assessment of the stability of river and floodplain sediments

Data Summary Reports

- Compilation of existing data
- Report for Tittabawassee River about ready
  - Will want opportunity to present report to MDEQ, EPA V, and other appropriate parties
- Report for upper Saginaw River will follow
  - Still waiting for final GLNPO data
  - Still collecting historical information

RI Plan Scoping Studies

- Scoping studies in advance of submission of RI plan
  - Floodplains
    - TR scoping study investigation is designed to determine the geospatial predictability of dioxin and furan distribution in floodplain soils. Will be used to support the design of the RI.
  - Sediments